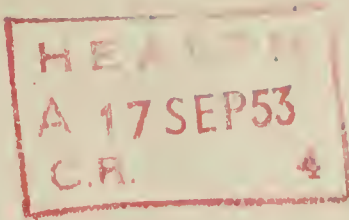


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A N N U A L R E P O R T

O F T H E

M E D I C A L O F F I C E R O F H E A L T H

F O R T H E Y E A R

1952.

(Serial Number of Report - 40)

713
46 S C.

COUNCIL OFFICES,
CHIPPING SODBURY,
NR. BRISTOL.

Ladies and Gentlemen,

I have pleasure in presenting my thirteenth Annual Report on the Health of the Sodbury Rural District, for the year 1952.

This Report which is the 40th. of its kind, is drawn up in accordance with the Ministry of Health Circular. The Vital Statistics are calculated on the corrected births and deaths figures supplied by the Registrar General.

I am,

Your obedient servant,

J. MENZIES CORMACK,

Medical Officer of Health.

SODBURY RURAL DISTRICT.

Composition of District —

Parishes of Acton Turville, Alderley, Badminton, Cold Ashton, Dodington, Doynton, Dyrham & Hinton, Frampton Cotterell, Filton, Horton, Hawkesbury, Iron Acton, Little Sodbury, Marshfield, Pucklechurch, Sodbury, Stoke Gifford, Tormarton, Westerleigh, Wick & Abson, Wickwar, Winterbourne, Yate.

CHAIRMAN OF COUNCIL --

Lt. Col. P.L.E. Walker, D.S.O., D.L., J.P.,
Great House, Chipping Sodbury, to May 20th. 1952.

A.W.Britton, B.E.M.,
664, Southmead Road, Filton, as from 20th.May 1952.

Clerk to the Council --
F.R. Appleby, M.A., until 16.2.52.

L.C.Rysdale, M.A., as from 1.4.52.

Medical Officer of Health --

J. Menzies Cormack, M.B., Ch.B., D.P.H., D.P.A.

Inspectorate —

J.H.E.Steele,
Chief Sanitary Inspector.

H.S.Hale, M.S.I.A., M.R.S.I.
G.Fry, M.S.I.A.

Rodent Inspector/Operator,

R.E.Hanham until 15.9.52.
G.W.Dean, as from 1.11.52.

Clerks --

I. A. Beardsley (Mrs.)
E. Pritchard (Miss).

S T A T I S T I C S 1952.

General Statistics.

Area of District	68,557 acres.
Population (Registrar-General's estimate mid 1952)	38,080.
Estimated number inhabited houses (December - Rate books)	11,422.
Rateable Value	£189,779.
Sum represented by penny rate	£735.

Extracts from Vital Statistics.

	Total	M.	F.	Birth rate per 1,000 estimated resident population mid - 1952
Live Births - Legitimate	591	298	293	16
Illegitimate	21	8	13	England & Wales 15.3
Still Births Legitimate	16	11	5	Rate per 1,000 Civil population
Illegitimate	-	-	-	0.4
Deaths of				England & Wales
} Legitimate	12	4	8	0.35
Infants				
} Illegitimate	0	-	-	
Under 1 year				
Deaths (Total)	M. 182	F. 167	Total 349	Death rate per 1,000 estimated population 10.1
				England & Wales 11.3

TABLE SHOWING PRINCIPAL CAUSES OF DEATH 1952.

Cause of Death	Total.
1. Tuberculosis, respiratory	7
2. Tuberculosis, other	1
3. Syphilitic disease	-
4. Diphtheria	-
5. Whooping Cough	-
6. Meningo-coccal infection	-
7. Acute Poliomyelitis	-
8. Measles	-
9. Other infective and parasitic diseases	1
10. Malignant neoplasm, stomach	10
11. Malignant neoplasm, lung, bronchus	4
12. Malignant neoplasm, breast	5
13. Malignant neoplasm, uterus	6
14. Other malignant & lymphatic neoplasms	30
15. Leukaemia, aleukaemia	2
16. Diabetes	1
17. Vascular lesions of nervous system	50
18. Coronary disease, angina	27
19. Hypertension with heart disease	16
20. Other heart disease	74
21. Other circulatory disease	14
22. Influenza	4
23. Pneumonia	13
24. Bronchitis	10
25. Other diseases of respiratory system	11
26. Ulcer of stomach and duodenum	4
27. Gastritis, enteritis and diarrhoea	-
28. Nephritis and nephrosis	5
29. Hyperplasia of prostate	1
30. Pregnancy, childbirth, abortion	2
31. Congenital malformations	3
32. Other defined and ill-defined diseases	32
33. Motor vehicle accidents	7
34. All other accidents	7
35. Suicide	2
36. Homicide and operations of war	-



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TABLE SHOWING INCIDENCE OF INFECTIOUS DISEASE IN AGE GROUPS. 1952.

	Under 1 year	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 & over	Age unknown	TOTAL
Typhoid														-
Diphtheria														-
Dysentery														-
Erysipelas									1		1	2		4
Measles	10	34	28	30	35	49	2	-	1					189
Pneumonia	1	1	-	1	1	1	-	-	6	2	11	4	2	30
Poliomyelitis														-
Puerperal Pyrexia									1	1				2
Scarlet Fever		2	8	4	15	28	3	2	-	-			1	63
Whooping Cough	6	18	16	14	17	26		1	1					99
Food Poisoning			1		1		1			3	2			8
Polioencephalitis														-
Ophthalmia Neonatorum														-
Acute Encephalitis						1								1
Meningococcal infection						3								3

Table showing Incidents of Infectious Disease in Parishes. 1952.

Parish	Diphtheria	Dysentery	Meningo- coccal	Erysipelas	Measles	Food Poisoning	Pneumonia	Polio- myeli- tis.	Puer- peral Pyrexia	Scarlet Fever	Whoop- ing Cough	Acute enceph- alitis.
Acton Turville											2	
Alderley												
Badminton			1				1			2	1	
Chipping Sodbury							1			2		
Coalpit Heath										2	5	
Codrington												
Cold Ashton												
Dodington												
Doynton										1		
Dyrham & Hinton					4							
Filton				2	41	5	14		2	34	52	1
Frampton Cotterell					3							
Frenchay				1	20		6			1	2	
Hambrook					19					2	5	
Hawkesbury			1				2				11	
Hillesley											3	
Horton												
Iron Acton					5					3		
Little Sodbury												
Marshfield												
Old Sodbury					3						2	
Pucklechurch			1		3	1	3			4	1	
Stoke Gifford				1	2	2	2			5	4	
Tormarton										2		
Westerleigh												
Wick					2							
Wickwar					2					1	1	
Winterbourne					82		1			5	10	
Yate					3					1		
TOTAL	-	-	3	4	189	8	30		2	63	99	1



A P P E N D I X D (i)

ANNUAL RETURN OF FOOD POISONING NOTIFICATIONS (Corrected)

1. Local Authority Sodbury Rural District Council Year 1952.
2. Food Poisoning Notifications (Corrected Returned to R.G.)

1st. Quarter	2nd. Quarter	3rd. Quarter	4th. Quarter	TOTAL.
1	1	6	-	8

Outbreaks due to identified agents

Total outbreaks	0	Total cases	
+ Outbreaks due to:-		(d) Cl. botulinum	
(a) Chemical Poisons		(e) Other bacteria.	
(b) Salmonella Organisms			
(c) Staphylococci			
(including toxin)			

4. Outbreaks of undiscovered cause

Total outbreaks	1	Total cases	4
-----------------	---	-------------	---

5. Single cases

Agents identified	Unknown cause	4	Total	4
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TUBERCULOSIS.

New Cases and Deaths in Age Groups 1952.

Age	NEW CASES				DEATHS			
	Respiratory		Non Respiratory		Respiratory		Non Respiratory.	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 year								
1-5 years								
5-15 "	4	1					1	
15-25 "	9	8				2		1
25-35 "	5	2		1				
35-45 "	3	2	-	1	1			
45-55	4				2	1		
55-65	1	1						
65 Upwards	3							
TOTALS	29	14	-	2	3	3	1	1

SANITARY CIRCUMSTANCES OF THE AREA
SUMMARY OF GENERAL INSPECTIONS.

INFECTIOUS DISEASE.

Visits made	109.
Premises treated	46.

DISINFESTATIONS.

Inspection and treatment of premises (fleas & cockroaches)	22.
--	-----

DRAINAGE.

No. of drains inspected	92.
" " " tested	20.
Visits for supervision of repair	41.
No. of cesspools inspected	35.
" " " found to be defective	24.
Inspection of sewers & sewage disposal works - visits	427.

FOOD.

Visits to Meat Shops, Stalls & Vehicles	49.
Inspection of Bakehouses	38.
Inspection of Food Shops & Premises	427.

GENERAL INSPECTIONS.

Picture Houses & Hotels	16.
Factories	29.
Smoke Observations	6.
Moveable Dwellings	68.
Schools	34.
Public Conveniences	93.
Mortuaries	24.
Samples of Effluent taken	9.
Pollution of watercourses	40.
Control of Refuse & Salvage	74.
Unclassified visits	69.

INSPECTIONS UNDER.

Shops Act	84.
Petroleum Acts & Orders	53.

WATER SUPPLY.

Visits	262.
Samples taken	30.

PREVENTION OF DAMAGE BY PESTS ACT.

No. of Inspections	478.
" " Reinspections	645.

HOUSING ACT 1936 SECTION 11.

Notices of Time & Place were served in respect of 7 houses during the year under review.

Demolition Orders were made on 4 houses and three Undertakings (Section 11/3) were accepted by the Council. Four houses were demolished during the year.

Total number of houses inspected under (P.H.A's or H.A's)	740.
Number found to require repairs	106.
Informal Notices served	108.
" " not complied with at end of year	14.
Statutory Notices served	45.
" " not complied with at end of year	11.
Number of visits made for reinspection and supervision of repairs.	309.
Houses found to be unfit for human habitation	7.

PUBLIC HEALTH ACT 1936.

45 Statutory Notices to effect repairs were served under Section 93. Summary proceedings for non-compliance were necessary in two instances. Nuisance orders were made in both cases.

SEWERS AND SEWAGE DISPOSAL.

The amount of maintenance work required was as follows:-

<u>Parish</u>	<u>Manholes repaired</u>	<u>No. of blockages.</u>
Filton	3	
Yate	1	
Chipping Sodbury	-	4
Wickwar	-	2

In the early part of the year it was noticed that heavy rains caused surcharge of the main sewer at Wickwar between manholes 3 and 4. Efforts to clear this portion were only partially successful and upon exposure the sewer was found to be badly affected by tree roots at several points and also had suffered some displacement. It became necessary to relay this section of approximately 80 yards. In order to give additional strength, the sewer was encased in concrete.

The syphons at Sodbury, Yate and Wickwar are flushed at regular intervals and routine cleansing of the public sewers has continued during the year.

Due to the great increase in the Council's network of sewers, it has been decided to create a sewer maintenance staff which will carry out day to day inspections of the sewerage system throughout the area.

In July the Council's Consulting Engineers were instructed to survey the foul and storm water sewerage system in the Filton area in order to bring the plans of the system up to date, this work is now well advanced.

Winterbourne & Frampton Cotterell Sewerage Scheme.

This trunk sewerage scheme now being carried out is well advanced and the position of the four main contracts at December 31st., is as follows:-

Contract No. 1 - the extensions to the Moorend Works are well in hand and the work should be completed by the middle of 1953.

Contract No.2 - the main valley sewer has now been completed.

Contract No.3 - this contract has now run for a period of 18 months out of an envisioned period of 24 months.

Contract No. 4 - this contract has run for a period of twenty-three months out of the contract time of thirty months. Progress is slow due to the amount of rock encountered.

Marshfield Sewage Works.

These works have functioned in a satisfactory manner and all samples of final effluent taken and submitted for analysis have proved satisfactory.

Wickwar Sewage Works.

Following the acceptance by the Council of the Gloucestershire Cider Company's application for the treatment of their trade waste, the modifications and extensions to the Wickwar Sewage Works were commenced on June 7th. The bulk of the work was carried out by September, and the arrival of the pumping equipment is expected in the New Year. The installation of this will complete the work.

Yate Sewage Works.

During the past 12 months these works have functioned in a satisfactory manner and all samples of final effluent taken have satisfied the standards laid down by the Commissioners eighth report.

All dried sludge accruing is disposed of to local farmers, and there is a growing demand for this as a fertilizing agent.

PUBLIC CONVENIENCES.

The Council have four public conveniences, these are situated as follows:- Gloucester Road North, Filton, Northville, Chipping Sodbury and Marshfield.

The cleansing of these conveniences is carried out by four part-time caretakers.

The revenue from these conveniences was:-

	£	s.	d.
Chipping Sodbury	62.	4.	1.
Gloucester Road North	32.	12.	10.
Northville	7.	8.	10.
Marshfield	8.	19.	9.
Total	£111.	5.	6.

(One compartment in each of the Ladies section is left for free use).

THE MORTUARY FILTON.

These premises were repaired and redecorated in the early part of the year and were used on 14 occasions. The revenue accruing during 1952 was £14.

SLAUGHTER OF ANIMALS ACT - 1933.

Two new licences were issued and 33 made during the year, making

a total of 40 operative licences. New applicants are examined as to suitability by practical demonstration at the Bristol Corporation abattoir.

PETROLEUM (CONSOLIDATION) ACT, 1933.

Operative licences to store Petroleum Spirit	120.
" " " " Carbide of Calcium	3.

FOOD & DRUGS ACT, 1936.

Number of premises	274.
" " visits	470.

During the year the Council adopted byelaws made under Section 15 of the Food & Drugs Act, 1938, for securing the observance of sanitary conditions and practices in connection with the handling, wrapping and delivery of food.

Perhaps the greatest problem facing us today in this field is the contamination of eating and drinking utensils by improper handling and the excessive handling of foodstuffs.

Continued and increased attention has and is being given to those important matters with particular reference to the use of food instruments, but it still remains a common sight to observe food handlers picking up food with their fingers which could well be handled by an instrument.

MEAT & OTHER FOODS INSPECTION.

During the past year the undermentioned foodstuffs were inspected and condemned.

Meat (Butchers Shops).

Beef	594 lbs.
Mutton	36 lbs.
Pork	113 lbs.
Offals	49 lbs.

Other Foods.

Bacon & Ham	30 $\frac{1}{2}$ lbs.	Flour	126 lbs.
Soups	337 tins	Sauce	67 bottles.
"	137 "	Olives	10 "
Vegetables	190 "	Ginger Wine	1 "
Fruit	244 "	Mixed Peel	4 cartons
Beverages	179 "	Mock Cream	6 "
Fish	215 "	Chocolate Spread	21 "
Milk	28 "	Cakes	1
Baby Food	82 "	Cheese	22 $\frac{1}{2}$ lbs.
Syrup	1 "	Butter	6 lbs.
Tomatoes	32 "	Cooking fats	16 lbs.
Soup	46 packets	Tea	15 lbs.
Oats	2 "	Sugar	215 lbs.
Jellies	128 "	Custard powder	360 packets.
Cereals	119 "	Suet /	7 "
Herbs	13 "	Gravy	98 "
Cake decorations	28 "	Pickling spice	6 "
Salt	43 "	Biscuits	8 "
Flour mixture	180 "	Fish Paste	117 jars.
Jam	47 jars.	Pickles	38 "
Chocolate	2 lbs.	Puddings	61 lbs.
Figs	28 lbs.	Cheese spread	5 lbs.

WATER SUPPLIES.

With the exception of the parish of Hawkesbury where the water is owned and controlled by the Council, water is supplied by the West Gloucestershire Water Company.

A report by the Company shows:-

- (a) Water supplied by the Company has been uninterrupted in the Sodbury Rural Area during 1952, the quality has been satisfactory.
- (b) 112 Outfall water samples were taken and in only one case was a slight B.Coli disclosed, this was later rectified by increase of chlorination.
- (c) None of the water supplied shows evidence of plumbo solvent action.
- (d) The number of connections in the area is as follows:-

<u>Parish</u>	<u>Houses connected during 1952.</u>	<u>Total house connections 31.12.52.</u>
Acton Turville	1	86
Alderley	-	-
Chipping Sodbury	9	396
Dodington	-	48
Doynton	4	74
Dyrham & Hinton	3	4
Filton	53	3456
Frampton Cotterell	4	677
Great Badminton	-	102
Hawkesbury	2	43
Horton	-	2
Iron Acton	7	208
Little Sodbury	-	5
Marshfield	10	275
Old Sodbury	9	338
Pucklechurch	-	249
Stoke Gifford	43(a)	525
Tormarton	1	58
Westerleigh	1	458
Wick & Abson	3	248
Wickwar	6	220
Winterbourne	minus 12(b)	1118
Yate	47	599
Total	203	9189

- (a) Including 12 previously in Winterbourne parish.
- (b) Now in Stoke Gifford parish.

(e) The length and sizes of new mains laid:-

size	yards
3"	1745
4"	5182
6"	4758
9"	29
10"	2
12"	1772
15"	2403

Independent Water Supply.

Report on sample of water received from Chipping Sodbury on the 17th. December 1952. (Taken by Chief Sanitary Inspector).

Source: Tap at 21, Ridgeway, Yate. (Mains supply - West Glos. Water Co.
Physical Characters Clear, bright. Reaction pH 7.3
colourless, no odour.

No charring or odour on igniting solids.

	(All results in parts per million)	REMARKS
Total Solids	399	
Loss on ignition	41	
Mineral Matter	358	
Alkalinity (as CaCO ₃)		
Total Hardness	242	
(a) Permanent	23	Chemically satisfactory.
(b) Temporary	219	
Chlorine (as Chloride)	47	
Nitrogen as Saline and free Ammonia	0.01	
" " Albuminoid Ammonia	0.02	
" " Nitrates	0.52	
" " Nitrites	0.04	
Oxygen absorbed from Permanganate (4 hrs. at 80°F)... ..		
Poisonous Metals	nil	
Free Carbon Dioxide		
Silica (SiO ₂)		
Residual Chlorine	0.15	
Sediment		
Bacteriological Examination PH 9431		REMARKS
Number of colonies per ml. of		
original water		
Developing at 37°C.	27	) moulds
at 20-22°C.	20	
Probable number of Coli-Aerogenes organisms per 100 ml. or original water	0	Satisfactory
Faecal B coli type I absent		

Signed H.CAYTON
Senior Bacteriologist.

Date 22.12.52.

HAWKESBURY WATER SUPPLIES.

The Council's pumping station at Kilcot Valley has functioned satisfactorily during the year, and new connections have been made to farms and cottages.

The average daily consumption has been 48,558 gallons giving a total of 17,723,710 gallons for the year, being a slight increase of that for 1951. The maximum rest level of the water in the well has been 13ft., and a minimum rest level of 9ft., above the floor of the well, below which is a bore hole 12" diameter to a depth of 24'.

Water from the well is chlorinated at the pumping station as a precautionary measure, the residual chlorine being 0.1 parts per million in the output water at the pump house.

The number of premises supplied in the hamlets of Hawkesbury Upton, Hillesley, Tresham and the Commons is as follows:-

Domestic connections 31st. December 1952	=	136.
Metered connections to farms	=	44.
Standpipes	=	25.

Samples for bacteriological examination are taken periodically both direct from the well at the pump house and from standpipes in the hamlets, a typical analysis is as follows:-

Sample taken from well at Kilcot Pumping Station, Hawkesbury Upton, on the 17th March, 1953.

The sample contains (parts per million):-

Total Solids	...	...	...	...	284	REMARKS.
Loss on ignition	...	...	...	...	10	
Mineral Matter	...	...	...	...	274	
Alkalinity (as CaCO ₃)	...	...	...	...		Chemically
Total Hardness	...	...	...	...	248	satisfactory but
(a) Permanent	...	...	...	...	65	note comment
(b) Temporary	...	...	...	...	183	below.
Chlorine (as Chloride)	...	...	...	...	13	
Nitrogen as Saline and free Ammonia	...	...	...	...	nil	
" " Albuminoid Ammonia	...	...	...	...	nil	
" " Nitrates	...	...	...	...	0.20	
" " Nitrites	...	...	...	...	nil	
Oxygen absorbed from Permanganate (4 hrs. at 80°F)	...	...	...	...		
Poisonous Metals	...	...	...	...	nil	
Free Carbon Dioxide	...	...	...	...		
Silicia (SiO ₂)	...	...	...	...		
Residual Chlorine	...	...	...	...	---	
Sediment	...	...	...	...		

Bacteriological Examination

Number of colonies per ml. of original water	...	...	...	...		Remarks.
Developing at 37°C.	...	...	...	...	1	
at 20-22°C	...	...	...	...	400	High Count
Probable number of Coli-Aerogenes	...	...	...	...		22°C.
organisms per 100 ml. of original water	...	...	...	...	0	
Faecal B coli type I present	...	...	...	...	0	
absent	...	...	...	...		

RAG FLOCK AND OTHER FILLING MATERIALS ACT 1951.

There are two premises in the district which are subject to the regulations, one being licensed for the manufacture of rag flock and the other registered for the use of filling materials.

Regular samples of rag flock are taken from the licensed premises and the Analyst's reports in each case show that the samples satisfy the prescribed tests.

PREVENTION OF DAMAGE BY PESTS ACT, 1949.

The following is a brief summary of the work carried out by the Rodent Control Section of the Health Department:-

Only 14 premises were found to be infested to a major degree and of this number 10 were on agricultural property.

The treatment of sewerage systems was carried out as necessary and in accordance with the requirements of the Ministry of Agricultural and Fisheries.

